



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,226	02/28/2002	Dov Moran	M01/23	5080

7590

05/07/2004

THE POLKINGHORNS  
9003 FLORIN WAY  
UPPER MARLBORO, MD 20772

EXAMINER

PEYTON, TAMMARA R

ART UNIT	PAPER NUMBER
2182	10

DATE MAILED: 05/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

25

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/084,226	MORAN, DOV	
	Examiner	Art Unit	
	Tammara R Peyton	2182	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 December 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 3-18 and 26-36 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 3-18 and 26-36 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other:  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3-18 and 26-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Liepe*, (US 6,405,278).

As per claims 14-16, 32, and 34, *Liepe* teaches a portable device (202, Figs.1-4) for device-to-device data transfer (col. 7, lines 14-19), comprising:

a non-volatile memory (flash memory) for storing the data,

a device interface (RF transmitter/receiver, Fig. 3) for enabling the data to be transferred from the portable device and another portable device (302, Fig.3);

wherein operation of both the portable device and said other portable device, with respect to the data, are restricted to data storage and transfer. (Abstract, col. 4, lines 17-col. 10, lines 64 and col. 14, lines 44-59)

*Liepe* teaches a portable device (202) that allows the sharing of captured data between other portable devices (302). In one embodiment, *Liepe* teaches wherein a

portable device (202) is a flash memory card with a RF transmitter and another portable device (302) may be a miniature hard drive that a user may wear or carry along in a purse or pocket. (col. 8, lines 32-34) The operation of the portable device and the other portable device is restricted to data transfer and data storage. (col. 8, lines 42-56) However, *Liepe* does not expressly teach wherein each portable field device (302) has a data storage area which is non-volatile memory; nonetheless, memory components consisting of flash memory, RAM, SD-RAM, or D-RAM are well known in the art, thereby making use of one or all of these memory components obvious to one of ordinary skill.

As per claim 5, in one embodiment of *Liepe*'s portable device *Liepe* teaches wherein the portable device does not feature a user interface for communicating directly with a user.

As per claims 9-11, *Liepe* teaches formatting the captured data according to a specific type (210) on said memory and is marked according to type, such that said at least one instruction selects data for transfer according to said type.

As per claim 12 and 13, in one embodiment, *Liepe* teaches wherein said portable device is a flash memory card wherein the portable device is connectable to a communication port of a computer (host device, 100).

As per claims 17, 33, and 35, *Liepe* teaches a portable device for data storage, comprising:

a non-volatile memory (flash memory) for storing the data;

a limited instruction set (210, col. 6, lines 25-28) for controlling transfer of the data for at least one of to or from said non-volatile memory;

a logic (210) for executing at least one instruction from said limited instruction set; and

a device interface (RF transmitter/receiver, Fig. 3) for enabling the data to be transferred for at least one of the portable device from another portable device or from the portable device to said other portable device; wherein both the portable device and said other portable device lack an operating system.

In one embodiment, *Liepe* teaches wherein a portable device (202) is a flash memory card with a RF transmitter and another portable device (302) may be a miniature hard drive that a user may wear or carry along in a purse or pocket. (col. 8, lines 32-34) One of ordinary skill would readily recognize that the portable devices lack an operating system that could perform other instructional functions besides transferring and storing data between other portable devices or host devices.

As per claim 18, *Liepe* teaches a form of a user interface via microswitch 212 for receiving (from a depressed button) at least one command (initiate transfer/storage) from the user. (col. 7, lines 35-37)

As per claims 26 and 36, *Liepe* teaches wherein a portable device for data storage for a user, comprising:

- a non-volatile memory (flash memory) for storing the data;
- a memory (flash memory) for storing a software application for controlling data transfer with said non-volatile memory;
- a logic for executing said software application (instruction software code); and
- a device interface for enabling the data to be transferred from the portable device directly to another portable device, wherein communication between said portable devices only occurs through respective device interfaces, and wherein neither the device nor said other portable device is capable of receiving an additional software application.

It is obvious to one of ordinary skill at the time the invention was made that *Liepe* teaches incorporating instruction software codes for controlling data transfer between other portable devices via the device communication interface. Further, nowhere in *Liepe* does it teach that the portable devices are capable of receiving additional instruction software code that will be executed by the portable devices.

As per claim 3, 4, 27-31, *Liepe* teaches incorporating logic for implementing at least one instruction stored in a data storage area, but does not expressly teach an additional memory component for storing said at least one instruction. However, it would

have been obvious to one of ordinary skill that the data store by *Liepe* would include an additional component, one part of the data store would be for storing the permanent instructions to be implemented by the logic to perform the data transfer mechanisms and another part of the data store would be used to receive and hold data that will be eventually transferred to another portable device. *Liepe* would have been motivated to include in the data store additional memory space that would include other instructions in order to expand the flexibility of the portable devices. Further, memory components consisting of a flash memory, RAM, SD-RAM, or D-RAM are well known in the art, thereby making use of one or all of these memory components obvious to one of ordinary skill.

As per claim 6, *Liepe* obviously teaches further comprising a signaling device for transmitting a signal to another portable device, said signal requesting transfer of data.

As per claims 7 and 8, *Liepe* teaches allowing communications between a portable device and another portable device upon senses when a "flash door" is open. (col. 7, lines 46-48), but does not expressly teach automatically initiated upon detection of said another portable device. However, devices that share data automatically upon detection are well known in the art. Further, *Liepe* teaches that data transfer may be initiated in a variety of ways without departing from the scope of the invention. It would have been obvious to one of ordinary skill at the time the invention was made that *Liepe*

Art Unit: 2182

would have been motivated to implement such an initiation feature because it would enhance the communication flexibility of the portable devices.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (703) 306-5508. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin, can be reached on (703) 308-3301. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3718. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

Mailed responses to this action should be sent to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231.

Faxes for Official/formal (After Final) communications or for informal or draft communications (please label "PROPOSED" or "DRAFT") sent to:

(703) 872-9306

Hand-delivered responses should be brought to:



Application/Control Number: 10/084,226

Page 8

Art Unit: 2182

Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor

(Receptionist).

A handwritten signature in cursive script, appearing to read 'Tammara Peyton', written in black ink.

Tammara Peyton

April 28, 2004